

DOPAMINE (generic), DOPASTAT, INTROPIN (brand)

ACTION: Chemical precursor of norepinephrine that stimulates dopaminergic, β_1 -adrenergic, and α -adrenergic receptors in a dose-related fashion; inotropic, vasopressor; increases BP and cardiac output, and improves blood flow through the kidneys

INDICATIONS:

1. Symptomatic hypotension in the absence of hypovolemia

CONTRAINDICATIONS:

1. Hypotension due to hypovolemia

ADVERSE REACTIONS/SIDE EFFECTS:

1. Arrhythmias (supraventricular or ventricular tachycardia), palpitations and chest pain
2. Dyspnea
3. Hypotension
4. Dilated pupils
5. Tissue necrosis at IV site

ADMINISTRATION:

1. Comes prepared 400 mg dopamine in 250 ml D₅W bags (1600 mcg/ml). May infuse 2-20 micrograms/kg/min titrated to satisfactory hemodynamic performance prior to medical control contact.
2. When administering a dopamine infusion, **a Buretrol with 60 gtt tubing must be used.**
3. For **400 mg dopamine hydrochloride in 250 ml D₅W bags (1600 mcg/ml):**

Patient Weight	To administer 5 mcg/kg/min run 60 gtt tubing @:	To administer 10 mcg/kg/min run 60 gtt tubing @:	To administer 15 mcg/kg/min run 60 gtt tubing @:	To administer 20 mcg/kg/min run 60 gtt tubing @:
50 kg or 110 lb	9 gtts/min.	18 gtts/min.	28 gtts/min.	38 gtts/min.
60 kg or 132 lb	11 gtts/min.	22 gtts/min.	34 gtts/min.	45 gtts/min.
70 kg or 154 lb	13 gtts/min.	26 gtts/min.	39 gtts/min.	53 gtts/min.
80 kg or 176 lb	15 gtts/min.	30 gtts/min.	45 gtts/min.	60 gtts/min.
90 kg or 198 lb	18 gtts/min.	34 gtts/min.	51 gtts/min.	68 gtts/min.
100 kg or 220 lb	19 gtts/min.	37 gtts/min.	56 gtts/min.	75 gtts/min.
110 kg or 242 lb	21 gtts/min.	41 gtts/min.	62 gtts/min.	83 gtts/min.
120 kg or 242 lb	23 gtts/min	45 gtts/min.	68 gtts/min.	90 gtts/min.

4. Further orders must come from monitoring physician.

PEDIATRIC CONSIDERATIONS:

1. Do not give to patients < 12 years without physician order.

SPECIAL NOTES:

1. If infiltration occurs, discontinue medication and notify physician at receiving hospital immediately upon arrival so that antidotal therapy can begin immediately.